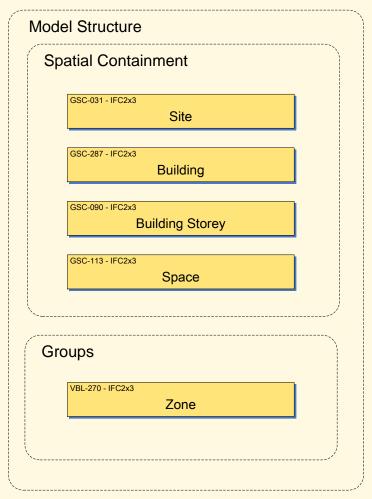
IFC Model View Definition Diagram : [GSC-001-Generic] Handover to FM

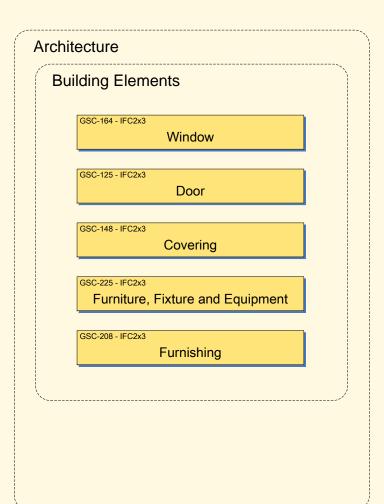
APPLICATION NAMEAPP. VERSIONEXCHANGE TYPEDIAGRAM AUTHORSGenericExportThomas Liebich, Matthias Weise

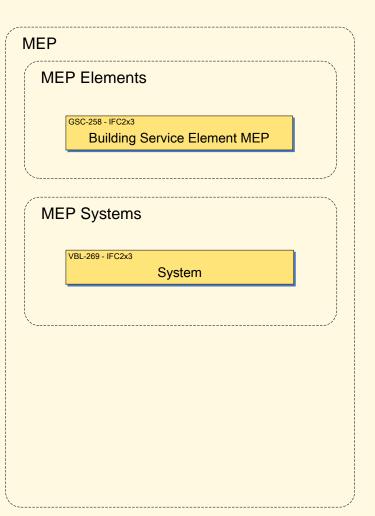
Handover to Facility Management – IFC 2x3 Binding Concepts Model

GSC-239 - IFC2x3

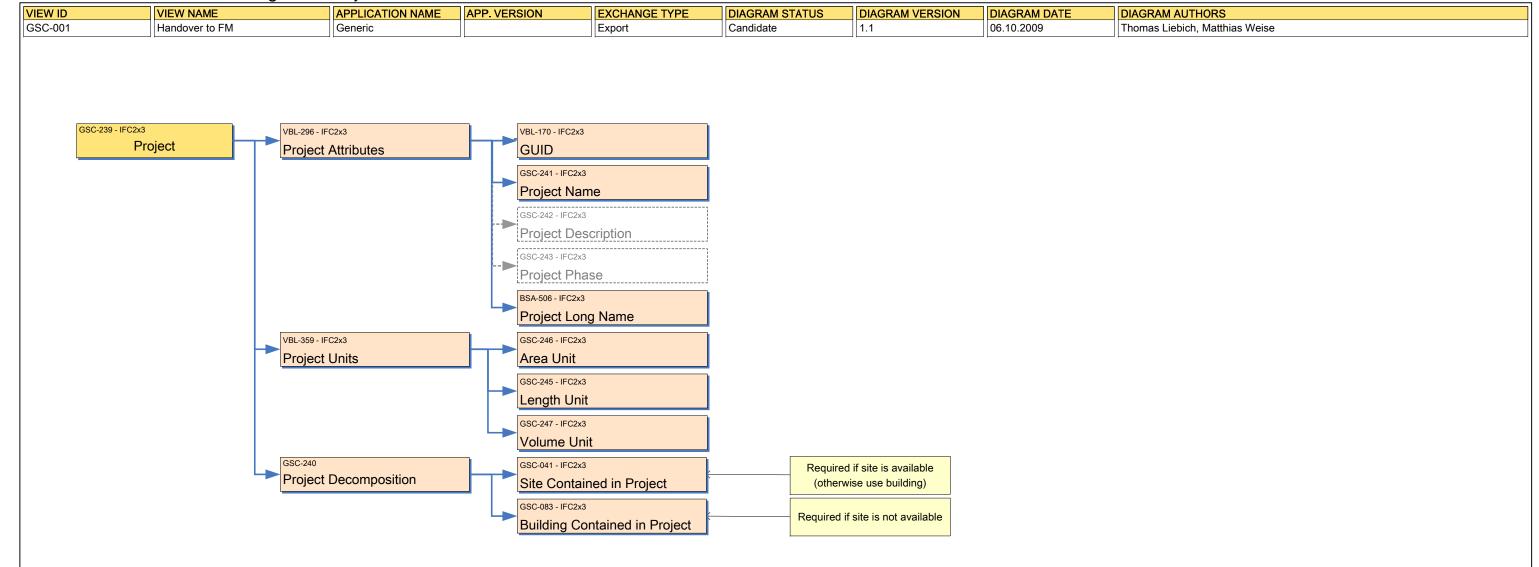
Project



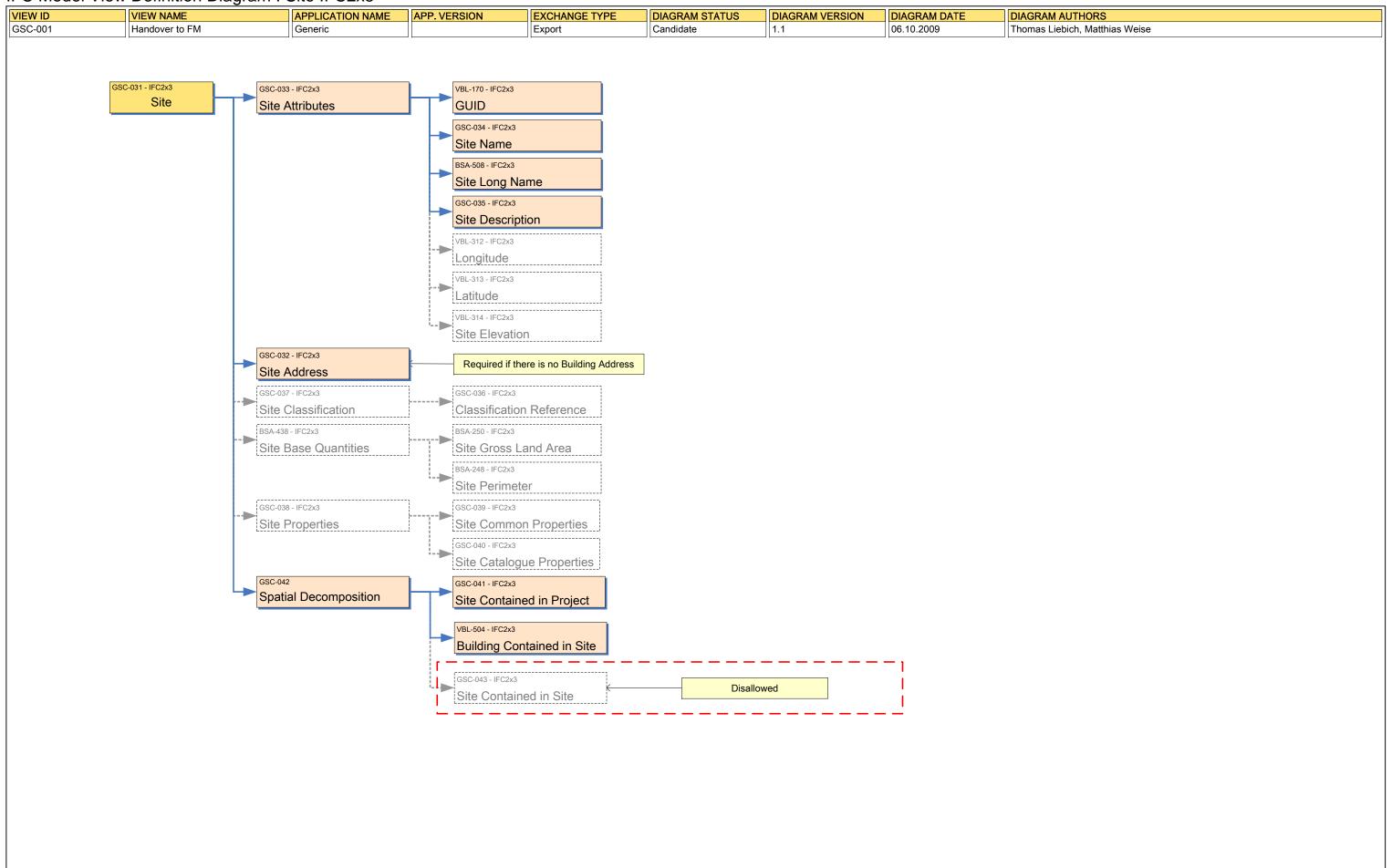




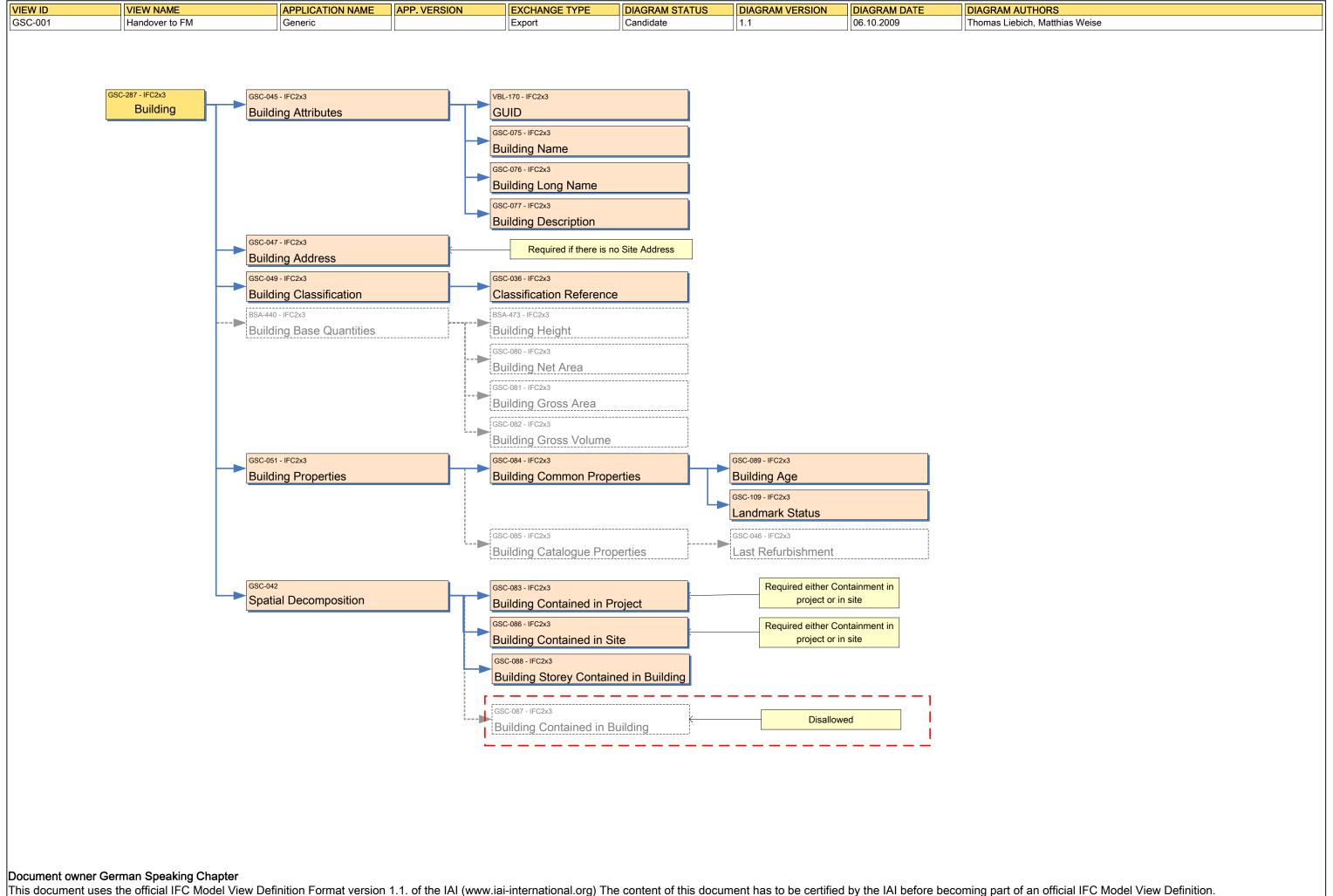
IFC Model View Definition Diagram : Project IFC2x3



IFC Model View Definition Diagram : Site IFC2x3



IFC Model View Definition Diagram : Building IFC2x3



IFC Model View Definition Diagram : Building Storey IFC2x3 VIEW ID **EXCHANGE TYPE DIAGRAM STATUS** DIAGRAM VERSION DIAGRAM DATE **DIAGRAM AUTHORS** GSC-001 1.1 06.10.2009 Thomas Liebich, Matthias Weise Handover to FM Export Candidate GSC-090 - IFC2x3 VBL-170 - IFC2x3 GSC-091 - IFC2x3 **Building Storey Building Storey Attributes** GUID GSC-110 - IFC2x3 **Building Storey Name** GSC-119 - IFC2x3 **Building Storey Long Name** GSC-112 - IFC2x3 **Building Storey Description** GSC-092 - IFC2x3 **Building Storey Elevation** GSC-095 - IFC2x3 BSA-442 - IFC2x3 Building Storey Base Quantities **Building Storey Net Height** BSA-262 - IFC2x3 Building Storey Height GSC-098 - IFC2x3 Building Storey Gross Area GSC-097 - IFC2x3 **Building Storey Net Area** GSC-099 - IFC2x3 **Building Storey Net Volume** GSC-100 - IFC2x3 Building Storey Gross Volume GSC-101 - IFC2x3 **Building Storey Classification** Classification Reference GSC-102 - IFC2x3 GSC-103 - IFC2x3 **Building Storey Properties Building Storey Common Properties**

GSC-276 - IFC2x3

GSC-142 - IFC2x3

Load Capacity

Heatable Area

Disallowed

GSC-042

Spatial Decomposition

Spatial Container

Building Storey Catalogue Properties

Space Contained in Building Storey

Building Storey Contained in Building

Elements Contained in Building Storey

Building Storey

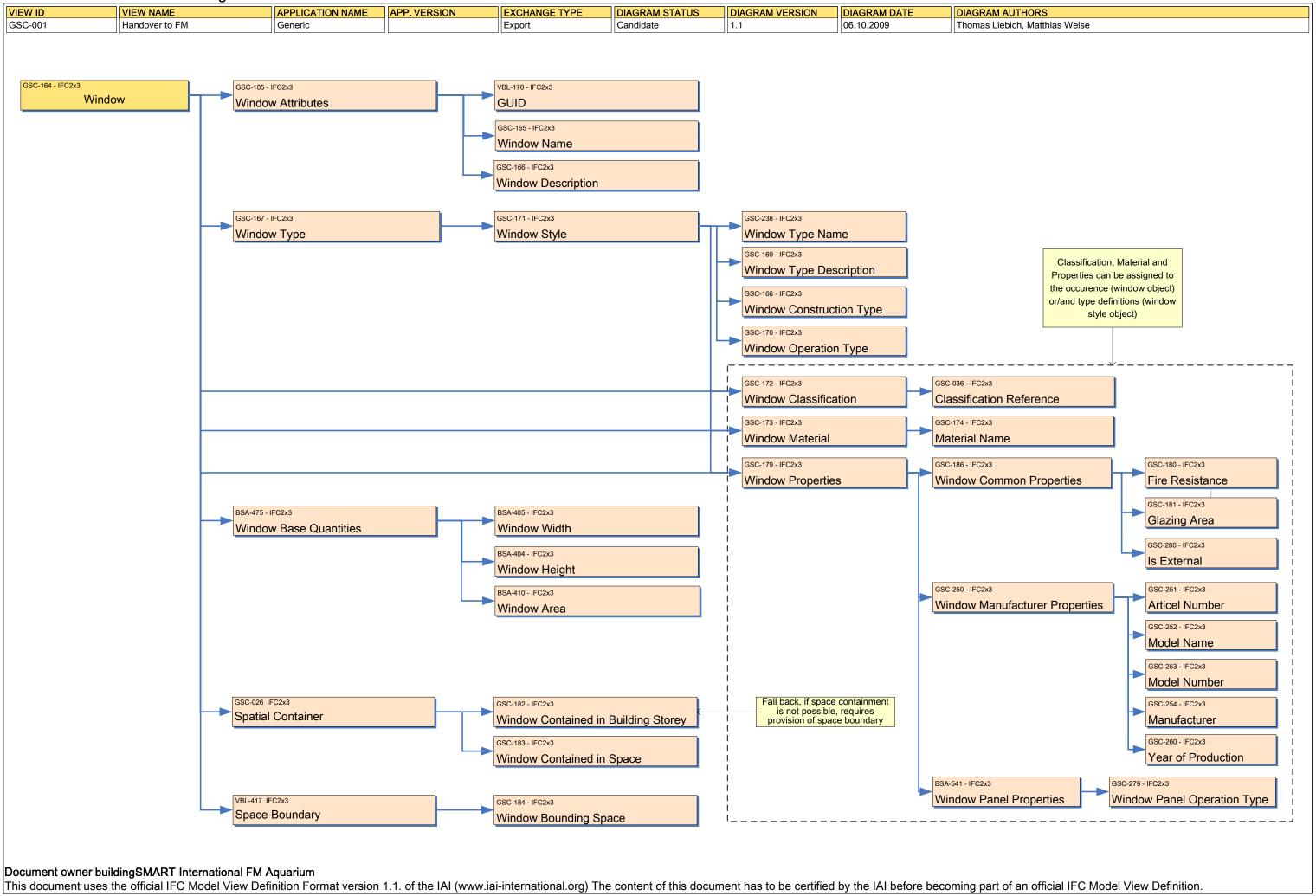
GSC-106 - IFC2x3

GSC-088 - IFC2x3

IFC Model View Definition Diagram : Space IFC2x3 VIEW NAME APPLICATION NAME | APP. VERSION EXCHANGE TYPE DIAGRAM STATUS DIAGRAM VERSION **DIAGRAM DATE DIAGRAM AUTHORS** GSC-001 Handover to FM Thomas Liebich, Matthias Weise Candidate 13.05.2009 Generic Export GSC-113 - IFC2x3 GSC-114 - IFC2x3 VBL-170 - IFC2x3 Space Space Attributes **GUID** GSC-116 - IFC2x3 Space Name GSC-117 - IFC2x3 Space Long Name GSC-118 - IFC2x3 Space Description VBL-320 - IFC2x3 Space Interior or Exterior GSC-115 - IFC2x3 GSC-036 - IFC2x3 **Space Classification** Classification Reference **Space Quantities** Space FM catalouge quantity BSA-444 - IFC2x3 BSA-279 - IFC2x3 Space Base Quantities Space Height GSC-122 - IFC2x3 Space Finish Floor Height GSC-123 - IFC2x3 Space Finish Ceiling Height BSA-283 - IFC2x3 Space Net Perimeter GSC-127 - IFC2x3 Space Gross Floor Area GSC-126 - IFC2x3 Space Net Floor Area GSC-128 - IFC2x3 Space Gross Ceiling Area GSC-129 - IFC2x3 Space Net Ceiling Area GSC-130 - IFC2x3 Space Gross Wall Area GSC-131 - IFC2x3 Space Net Wall Area BSA-289 - IFC2x3 Space Gross Volume BSA-291 - IFC2x3 Space Net Volume GSC-136 - IFC2x3 GSC-137 - IFC2x3 GSC-138 - IFC2x3 **Space Properties** Space Common Properties Space Flooring GSC-139 - IFC2x3 Space Ceiling GSC-140 - IFC2x3 Space Cladding GSC-141 - IFC2x3 GSC-142 - IFC2x3 Space Catalogue Properties Load Capacity Spatial Decomposition Space Contained in Building Storey Disallowed Space Contained in Space GSC-026 GSC-144 - IFC2x3 Spatial Container Element Contained in Space GSC-145 - IFC2x3 If not defined by properties Covering Contained in Space If not defined by space boundary assignment Window Contained in Space GSC-206 If not defined by space boundary assignment Door Contained in Space VBL-417 GSC-184 If not defined by spatial container Space Boundary Window Bounding Space If not defined by spatial container **Door Bounding Space** Document owner buildingSMART International FM Aquarium This document uses the official IFC Model View Definition Format version 1.1. of the IAI (www.iai-international.org) The content of this document has to be certified by the IAI before becoming part of an official IFC Model View Definition.

IFC Model View Definition Diagram: Covering IFC2x3 VIEW ID APP. VERSION **EXCHANGE TYPE DIAGRAM VERSION DIAGRAM STATUS** DIAGRAM DATE **DIAGRAM AUTHORS** GSC-001 6.10.2009 1.1 Thomaas Liebich, Matthias Weise Handover to FM Generic Export Candidate GSC-148 - IFC2x3 GSC-149 - IFC2x3 VBL-170 - IFC2x3 Covering Covering Attributes GSC-150 - IFC2x3 Covering Name GSC-151 - IFC2x3 **Covering Description** GSC-153 - IFC2x3 Covering Type Enumerator GSC-152 - IFC2x3 GSC-214 - IFC2x3 GSC-154 - IFC2x3 Classification, Material and Covering Type Covering Type Definition Covering Type Name Properties can be assigned to the occurence (covering object) GSC-277 - IFC2x3 or/and type definitions Covering Type Description (covering type object) GSC-153 - IFC2x3 Covering Type Enumerator GSC-158 - IFC2x3 GSC-036 - IFC2x3 Covering Classification Classification Reference GSC-155 - IFC2x3 GSC-174 - IFC2x3 Covering Material Material Name GSC-156 - IFC2x3 Covering Material Thickness GSC-278 - IFC2x3 **Covering Properties** GSC-159 - IFC2x3 GSC-160 - IFC2x3 **Covering Base Quantities** Covering Gross Area GSC-161 - IFC2x3 Covering Net Area GSC-145 - IFC2x3 **Spatial Container** Covering Contained in Space Disallowed **Covering Covers Space**

IFC Model View Definition Diagram : Window IFC2x3



IFC Model View Definition Diagram : Door IFC2x3 VIEW ID APP. VERSION **EXCHANGE TYPE DIAGRAM STATUS** DIAGRAM VERSION DIAGRAM DATE **DIAGRAM AUTHORS** GSC-001 1.1 06.10.2009 Handover to FM Export Candidate Thomas Liebich, Matthias Weise GSC-125 - IFC2x3 Door Door Attributes **GUID** GSC-188 - IFC2x3 Door Name GSC-189 - IFC2x3 Door Description GSC-190 - IFC2x3 GSC-191 - IFC2x3 GSC-274 - IFC2x3 Door Style Door Type Door Type Name GSC-275 - IFC2x3 Classification, Material and Door Type Description Properties can be assigned to the occurence (door object) or/ GSC-192 - IFC2x3 and type definitions (door type/ Door Construction Type style object) GSC-193 - IFC2x3 Door Operation Type GSC-194 - IFC2x3 GSC-036 - IFC2x3 **Door Classification** Classification Reference GSC-195 - IFC2x3 GSC-174 - IFC2x3 Door Material Material Name GSC-201 - IFC2x3 GSC-180 - IFC2x3 GSC-202 - IFC2x3 **Door Properties Door Common Properties** Fire Resistance GSC-181 - IFC2x3 Glazing Area GSC-204 - IFC2x3 Door Fire Exit ICC-272 - IFC2x3 BSA-452 - IFC2x3 BSA-340 - IFC2x3 Door Is Internal/External **Door Base Quantities** Door Width GSC-255 - IFC2x3 GSC-251 - IFC2x3 BSA-339 - IFC2x3 **Door Manufacturer Properties** Articel Number Door Height GSC-252 - IFC2x3 GSC-200 - IFC2x3 Model Name Door Area GSC-253 - IFC2x3 Model Number Fall back, if space containment GSC-026 - IFC2x3 GSC-205 - IFC2x3 is not possible, requires Door Contained in Building Storey **Spatial Container** provision of space boundaries GSC-254 - IFC2x3 GSC-206 - IFC2x3 Manufacturer

GSC-260 - IFC2x3

Year of Production

Door Contained in Space

Door Bounding Space

GSC-207 - IFC2x3

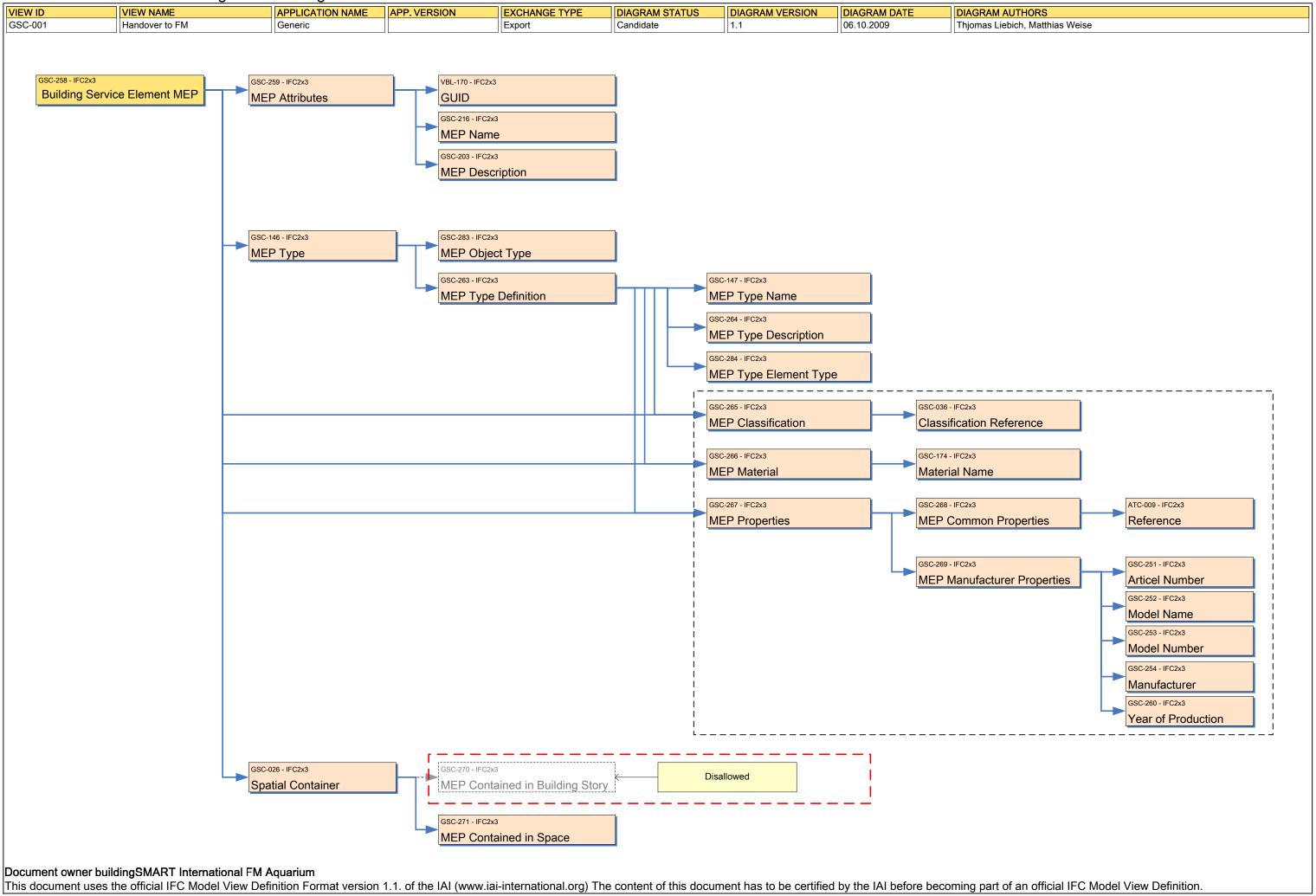
VBL-417 IFC2x3

Space Boundary

IFC Model View Definition Diagram: Furnishing IFC2x3 VIEW ID **EXCHANGE TYPE DIAGRAM STATUS** DIAGRAM VERSION DIAGRAM DATE **DIAGRAM AUTHORS** GSC-001 1.1 06.10.2009 Thomas Liebich, Matthias Weise Handover to FM Export Candidate GSC-208 - IFC2x3 GSC-209 - IFC2x3 VBL-170 - IFC2x3 Furnishing **Furnishing Attributes** GUID GSC-210 - IFC2x3 Furnishing Name GSC-211 - IFC2x3 Furnishing Description GSC-281 - IFC2x3 GSC-212 - IFC2x3 Furnishing Type Furnishing Object Type GSC-261 - IFC2x3 GSC-213 - IFC2x3 Furniture Type Furniture Type Name Furniture Type Description Furniture Type Element Type GSC-217 - IFC2x3 GSC-036 - IFC2x3 **Furnishing Classification** Classification Reference GSC-215 - IFC2x3 GSC-174 - IFC2x3 **Furnishing Material** Material Name GSC-218 - IFC2x3 GSC-219 - IFC2x3 GSC-220 - IFC2x3 Furnishing Properties **Furniture Common Properties** Furniture Length GSC-221 - IFC2x3 Furniture Depth GSC-222 - IFC2x3 Furniture Height GSC-256 - IFC2x3 GSC-251 - IFC2x3 Furnishing Manufacturer Properties Articel Number Model Name GSC-253 - IFC2x3 Model Number GSC-254 - IFC2x3 Manufacturer GSC-260 - IFC2x3 Year of Production GSC-026 - IFC2x3 Disallowed Spatial Container urniture Contained in Building Storey GSC-224 - IFC2x3

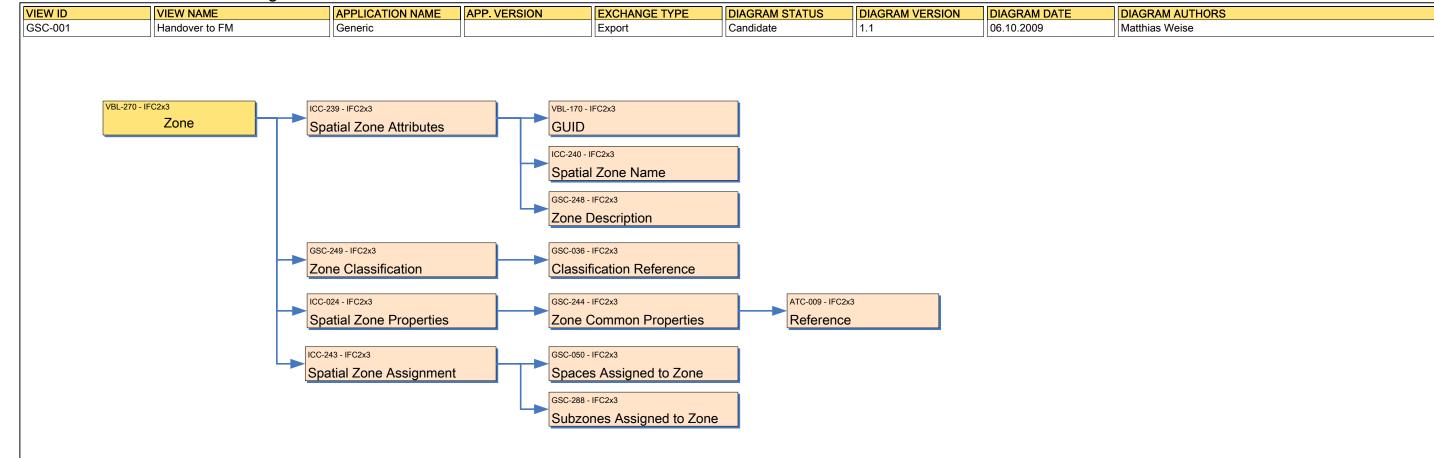
Furniture Contained in Space

IFC Model View Definition Diagram : Building Service Element MEP IFC2x3

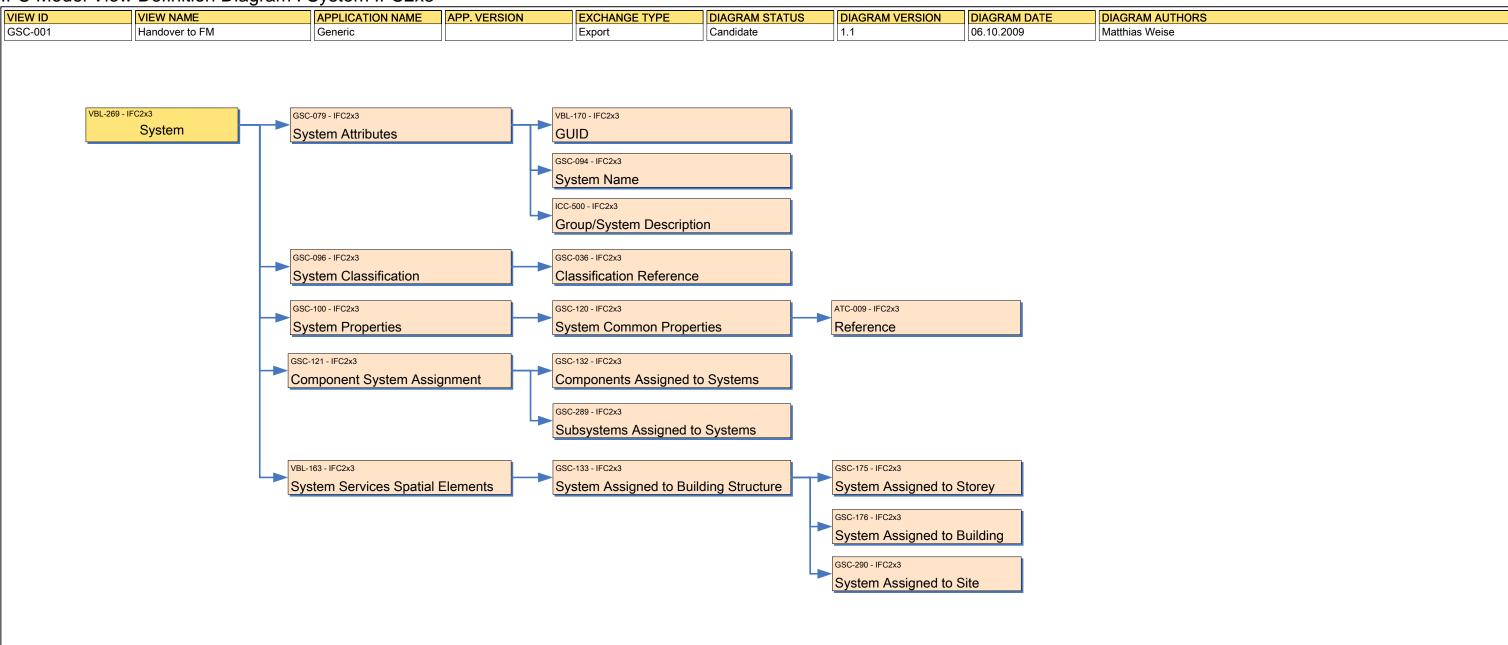


IFC Model View Definition Diagram : Furniture, Fixture and Equipment IFC2x3 VIEW ID APPLICATION NAME **EXCHANGE TYPE DIAGRAM STATUS** DIAGRAM VERSION DIAGRAM DATE **DIAGRAM AUTHORS** GSC-001 1.1 06.10.2009 Thomas Liebich, Matthias Weise Handover to FM Export Candidate GSC-225 - IFC2x3 GSC-226 - IFC2x3 VBL-170 - IFC2x3 Furniture, Fixture and Equipment FFE Attributes **GUID** GSC-227 - IFC2x3 FFE Name GSC-228 - IFC2x3 FFE Description GSC-229 - IFC2x3 GSC-285 - IFC2x3 FFE Type FFE Object Type GSC-231 GSC-230 - IFC2x3 FFE Type Definition FFE Type Name FFE Type Description GSC-286 - IFC2x3 FFE Type Element Type GSC-233 - IFC2x3 GSC-036 - IFC2x3 FFE Classification Classification Reference GSC-174 - IFC2x3 GSC-232 - IFC2x3 FFE Material Material Name GSC-234 - IFC2x3 ATC-009 - IFC2x3 FFE Properties FFE Common Properties Reference GSC-273 - IFC2x3 GSC-251 - IFC2x3 FFE Manufacturer Properties Articel Number GSC-252 - IFC2x3 **Model Name** GSC-253 - IFC2x3 Model Number GSC-254 - IFC2x3 Manufacturer GSC-260 - IFC2x3 Year of Production GSC-026 - IFC2x3 Disallowed **Spatial Container** FFE Contained in Building Storey FFE Contained in Space

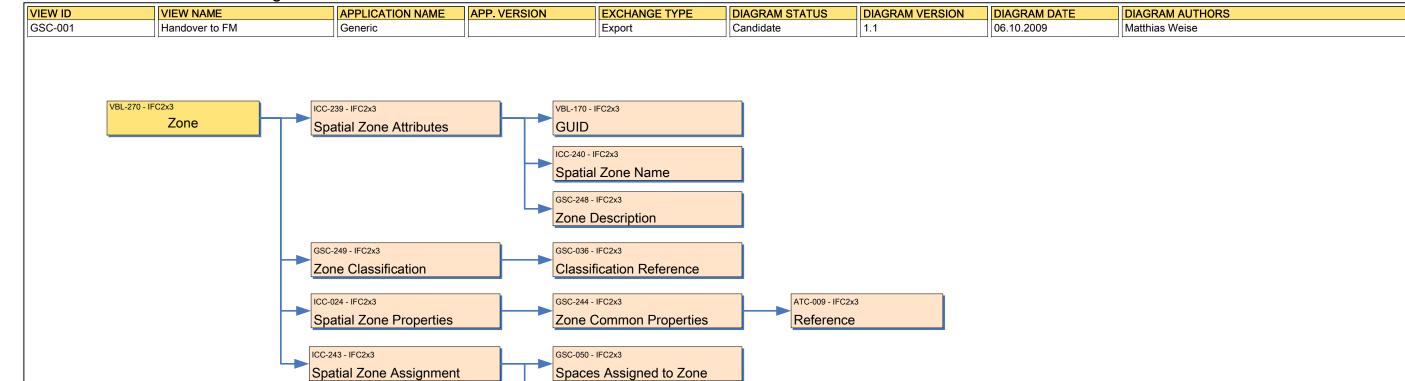
IFC Model View Definition Diagram : Zone IFC2x3



IFC Model View Definition Diagram : System IFC2x3



IFC Model View Definition Diagram : Zone IFC2x3



GSC-288 - IFC2x3

Subzones Assigned to Zone

IFC Model View Definition Diagram : System IFC2x3

